



Integrated Climate Adaptation and Resiliency Program (ICARP)

Agenda Item 5 | SB1 Adaptation Planning Grant Update

Technical Advisory Council

October 12, 2018 | San Diego, CA

ICARP & Caltrans Partnership

- Grant evaluation committee (OPR and SGC)
- Case studies for ICARP Adaptation Clearinghouse
- Caltrans will report to TAC on Adaptation Planning Grant program, minimum twice a year

Overview of Adaptation Planning

Section 16321 (1) Up to \$20,000,000 to local and regional agencies for climate change adaptation planning.

FY 17/18 \$7 million

FY 18/19 \$7 million

FY 19/20 \$6 million available for the third and final year of the grant program.

Adaptation Planning

Grant Specific Objectives

Competitive applications should include one or more of the following:

- Identify benefit to disadvantaged and/or vulnerable communities, including transit-dependent populations (when applicable)
- Demonstrate collaboration and partnerships with diverse external stakeholders such as businesses, non-governmental agencies, community-based organizations, and community residents

Adaptation Planning

Grant Specific Objectives

Applicants must demonstrate how the proposed effort will accomplish the following:

- Demonstrate on-going collaboration and partnerships between sectors and jurisdictions, across levels of government at a regional scale
- Identify co-benefits of the adaptation work, such as benefits to public health, natural ecosystems, air quality, social equity, the economy, or reductions in greenhouse gas emissions

Adaptation Planning

Grant Specific Objectives

Applicants should demonstrate how the proposed effort will accomplish one or more of the following:

- Identify climate change impact risks to multimodal transportation infrastructure in the project area
- Identify specific transportation infrastructure vulnerabilities to climate change impacts
- Identify adaptation strategies and specific actions to remedy identified climate related vulnerabilities
- Advance the planning of specific climate adaptation projects, such as developing a cost estimate or conceptual design
- Include economic analysis and/or cost-benefit analysis of identified adaptation strategy or strategies

Case studies for ICARP Clearinghouse

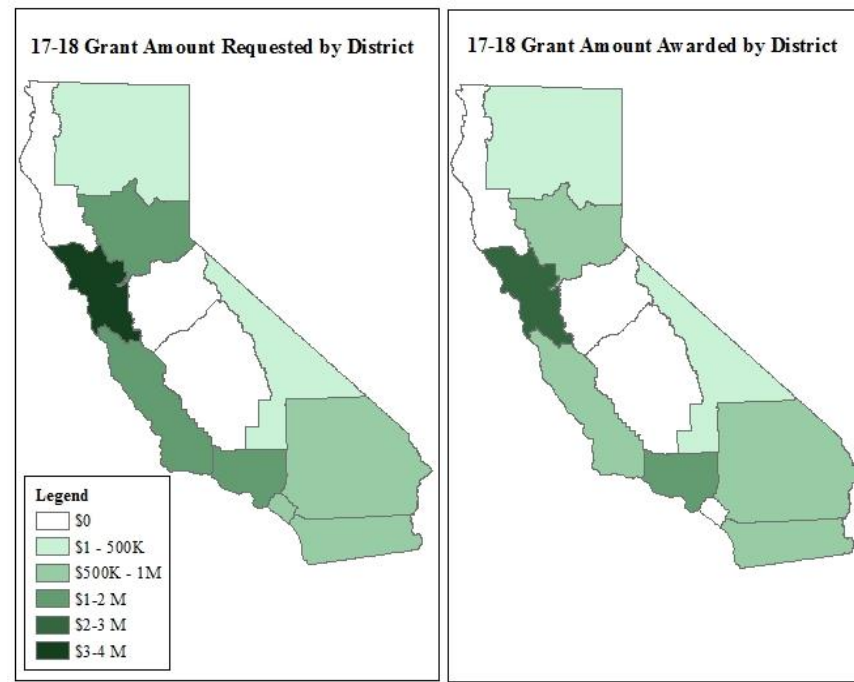
- Grant awardees contractually obligated to submit two case studies for inclusion in the ICARP clearinghouse
 - Initial case study (review draft due 2 weeks after contract signing)
 - Final case study (review draft due 1 quarter prior to project end date)
- Grant awardees will be provided with a standard template

Program Summary

FY 17/18

Cycle 1 (Awarded Dec. 2017)

- Received 30 applications totaling \$10.5 million
- Funded 21 applications totaling \$7 million

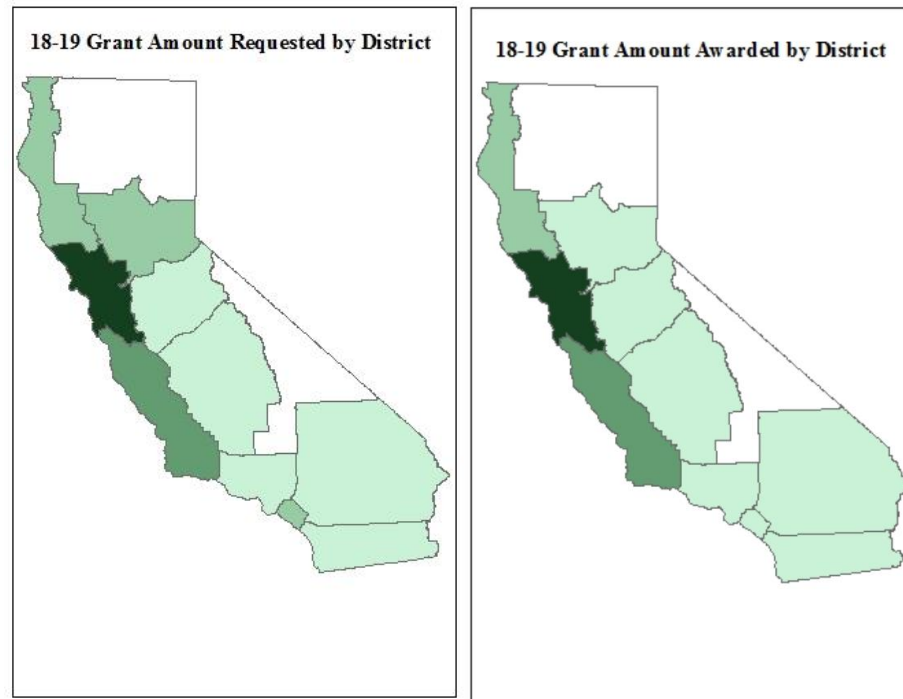


Program Summary

FY 18/19

Cycle 2 (Awarded May 2018)

- Received 26 applications totaling \$8 million
- Funded 22 applications totaling \$7 million



Cycle 3

- **October 5, 2018 - Release final Grant Guides and call for applications**
- **November 30, 2018 - Anticipated grant applications deadline**
- **December 2018 - February 2019 - Evaluate and score the applications**
- **Spring 2019 - Management approval and grant announcements released**
- **July 2019 - Earliest project start date for MPOs/RTPAs**
- **October 2019 - Earliest project start date for non-MPOs/RTPAs**
- **February 28, 2022 - ALL grant tasks must be completed**
- **April 30, 2022 - ALL final invoices must be submitted**

Lessons Learned

- Coordination with existing Caltrans Transportation Planning Grant Programs – grant guide development
- More outreach outside of existing workshops (ex: conferences, meetings and community events)
- Importance of interagency coordination

Local Needs & Challenges

- More technical assistances in adaptation planning with disadvantaged and rural communities
- Incorporation of adaptation planning strategies into existing Caltrans Transportation Planning Grant Program as applicable.
- Third and last cycle of Adaptation Planning Grants

Climate Change Vulnerability Assessments

Caltrans is conducting vulnerability assessments statewide in all 12 Districts
Assessments will identify state highway infrastructure vulnerable to:

- Sea Level Rise
- Storm Surge
- Coastal Bluff Erosion
- Extreme Heat
- Precipitation Changes
- Wildfires



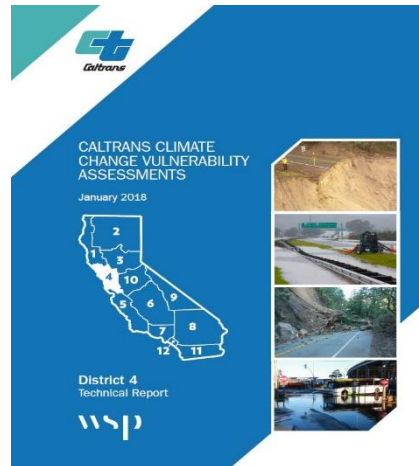
District Vulnerability Assessments

All 12 Caltrans Districts will receive:



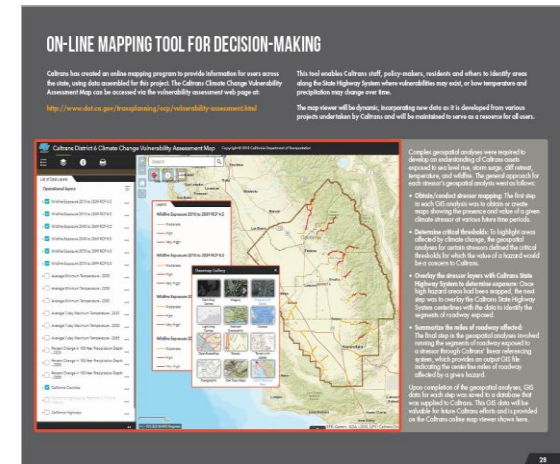
Summary Report

- Overview of the natural environment and transportation infrastructure
- Description of the interaction of the transportation system and identified stressors



Technical Report

- Background on data used to develop reports
- Vulnerability assessment methodology



On-line viewer Tool

- Posted online, the tool allows users to toggle stressors on and off to visualize locations of the stressors

Questions?



Contact Information

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